

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1152	702/150.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/31 15:17
L2	96	356/605.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/31 15:17
L4	0	1 and (attitude with (robot\$3 or camera or ccd) same (search\$3 or determin\$3 or obtain\$3 or measur\$5 or scan\$3 or seek\$3) with (direction or angle or visual\$3 or line or object or target or orientation or position or location) same (texture or pattern or mat or surface or grain or mark or spot) with (region or area or location or position or section or zone)).clm.	US-PGPUB	OR	ON	2007/12/31 15:30
L5	0	2 and (attitude with (robot\$3 or camera or ccd) same (search\$3 or determin\$3 or obtain\$3 or measur\$5 or scan\$3 or seek\$3) with (direction or angle or visual\$3 or line or object or target or orientation or position or location) same (texture or pattern or mat or surface or grain or mark or spot) with (region or area or location or position or section or zone)).clm.	US-PGPUB	OR	ON	2007/12/31 15:19
L6	0	1 and (attitude with (robot\$3 or camera or ccd) same (search\$3 or determin\$3 or obtain\$3 or measur\$5 or scan\$3 or seek\$3) with (direction or angle or visual\$3 or line or object or target or orientation or position or location) same (texture or pattern or mat or surface or grain or mark or spot)).clm.	US-PGPUB	OR	ON	2007/12/31 15:19
L7	0	2 and (attitude with (robot\$3 or camera or ccd) same (search\$3 or determin\$3 or obtain\$3 or measur\$5 or scan\$3 or seek\$3) with (direction or angle or visual\$3 or line or object or target or orientation or position or location) same (texture or pattern or mat or surface or grain or mark or spot)).clm.	US-PGPUB	OR	ON	2007/12/31 15:19
L8	2	(attitude with (robot\$3 or camera or ccd) same (search\$3 or determin\$3 or obtain\$3 or measur\$5 or scan\$3 or seek\$3) with (direction or angle or visual\$3 or line or object or target or orientation or position or location) same (texture or pattern or mat or surface or grain or mark or spot) with (region or area or location or position or section or zone)).clm.	US-PGPUB	OR	ON	2007/12/31 15:30

## EAST Search History

L9	4	(attitude with (robot\$3 or camera or ccd) same (search\$3 or determin\$3 or obtain\$3 or measur\$5 or scan\$3 or seek\$3) with (direction or angle or visual\$3 or line or object or target or orientation or position or location) same (texture or pattern or mat or surface or grain or mark or spot).clm.	US-PGPUB	OR	ON	2007/12/31 15:31
S1	2458	stereo near4 camera	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/28 10:29
S2	861	702/150.ccis.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/23 10:55
S3	4	S1 and S2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/23 10:58
S4	18787	(surface or platform or support or plane or plate or stage) with (flat or level or horizontal\$3) same camera	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/16 14:23
S5	5269	(surface or platform or support or plane or plate or stage) with (flat or level or horizontal\$3) with camera with (dispos\$3 or position\$3 or locat\$3 or provid\$3 or mount\$3 or install\$3 or plac\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/17 14:32
S6	11455	(surface or platform or support or plane or plate or stage) with (camera or robot) with (position\$2 or relation\$4) with (display\$3 or indicat\$3 or determin\$3 or detect\$3 or measur\$5 or obtain\$3 or generat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/23 13:55
S7	1360	S5 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/23 11:54
S8	149	S7 and (diagnos\$3 or calibrat\$3) with camera	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 11:55

## EAST Search History

S9	204	S7 and (diagnos\$3 or calibrat\$3 or test\$3) with camera	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 13:27
S10	16	S9 and robot	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 11:55
S11	0	("2005/0237385").URPN.	USPAT	OR	OFF	2005/11/23 11:56
S12	17369	(surface or platform or support or plane or plate or stage) with (flat or level or horizontal\$3 or base or mat) with (texture or mark or code)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/23 13:48
S13	4	S12 and (diagnos\$3 or calibrat\$3) with camera same robot	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 13:50
S14	591554	(surface or platform or support or plane or plate or stage) with (flat or level or horizontal\$3 or base or mat) same (texture or mark or code or point or coordinate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 15:13
S15	492	S14 and camera with robot	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 13:50
S16	105	S15 and camera with (calibrat\$3 or diagnos\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 15:14
S17	4	S16 and (surface or platform or support or plane or plate or stage or base) with (robot) with (position\$2 or relation\$4) with (display\$3 or indicat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/23 15:15
S18	15	("4969735"   "4979815"   "5040116"   "5109345"   "5109425"   "5130794"   "5168141"   "5175616"   "5216476"   "5320538"   "5331413"   "5420828"   "5495576"   "5510625"   "5526022").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/23 14:07
S19	6	("5684531").URPN.	USPAT	OR	OFF	2005/11/23 14:08

## EAST Search History

S20	1	S19 and robot with (location or position\$2 or coordinate)	USPAT	OR	ON	2005/11/23 14:09
S21	1	S19 and robot with camera	USPAT	OR	ON	2005/11/23 15:14
S22	6253	(surface or platform or support or plane or plate or stage or base or ground or mat) with (texture or mark or code or point or coordinate) same (robot or robot\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 15:37
S23	382	S22 and robot with camera	USPAT	OR	ON	2005/11/23 15:38
S24	72	S23 and camera with (calibrat\$3 or diagnos\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 15:40
S25	5	S24 and (surface or platform or support or plane or plate or stage or base or mat) with robot with (position\$2 or relation\$4) with (display\$3 or indicat\$3 or output\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/23 15:43
S26	59528	(surface or platform or support or plane or plate or stage or base or ground or mat) same (robot or robot\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 15:59
S27	1093	S26 and robot with camera	USPAT	OR	ON	2005/11/23 15:52
S28	135	S27 and camera with (calibrat\$3 or diagnos\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 15:40
S29	7	S28 and (surface or platform or support or plane or plate or stage or base or mat) with robot with (position\$2 or relation\$4) with (display\$3 or indicat\$3 or output\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/23 15:52
S30	4033	(floor) same (robot or robot\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 15:52
S31	187	S30 and robot with camera	USPAT	OR	ON	2005/11/23 16:00
S32	0	S31 and (sfloor) with robot with (position\$2 or relation\$4) with (display\$3 or indicat\$3 or output\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/23 15:52

## EAST Search History

S33	8	S31 and (floor) with robot with (position\$2 or relation\$4) with (display\$3 or indicat\$3 or output\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/23 15:52
S34	60554	(surface or platform or support or plane or plate or stage or base or ground or mat or floor) same (robot or robot\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 16:06
S35	1118	S34 and robot with camera	USPAT	OR	ON	2005/11/23 16:15
S36	6	S35 and (robot or camera) same folding	USPAT	OR	ON	2007/12/27 22:57
S37	13	S35 and (robot or camera) same (folding or folded)	USPAT	OR	ON	2006/04/21 11:16
S38	3876	template near4 match\$3	USPAT	OR	ON	2005/11/23 16:05
S39	20	S38 and epipolar adj line\$1	USPAT	OR	ON	2005/11/23 16:06
S40	19	S39 and (surface or platform or support or plane or plate or stage or base or ground or mat or floor) with (texture or mark or point or coordinate or label or code)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 16:09
S41	3	S39 and (surface or platform or support or plane or plate or stage or base or ground or mat or floor) with (texture or mark or point or coordinate or label or code) with template	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 16:07
S42	4	S40 and (robot same camera)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 16:12
S43	0	mattern\$1 with shaded with uniform	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 16:12
S44	0	mattern\$1 with shaded with uniform\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 16:13
S45	0	mattern\$1 with shaded	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 16:13

## EAST Search History

S46	58	pattern\$1 with shaded with uniform\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 16:14
S47	1	S46 same surface with texture	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 16:14
S48	69289	pattern\$1 with (shaded or uniform\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 16:14
S49	328	S48 same surface with texture	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 16:15
S50	328	S48 same (surface or floor) with texture	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 16:15
S51	1	S50 and robot with camera	USPAT	OR	ON	2005/11/23 16:16
S52	28	S48 and robot with camera	USPAT	OR	ON	2005/11/23 16:16
S53	0	S52 and calibrat\$3 same geometrical with (pattern or shape)	USPAT	OR	ON	2005/11/23 16:17
S54	2	S52 and calibrat\$3 and geometrical with (pattern or shape)	USPAT	OR	ON	2005/11/23 16:17
S55	2	"5684531".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/25 09:00
S56	191	indicat\$3 with (position or location) with robot with (floor or plane or surface or area)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/25 09:05
S57	41	S56 and (robot with camera)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/25 11:00

## EAST Search History

S58	1397	mat same (robot or camera)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/25 11:06
S59	58	S58 and robot with (surface or ground or area or plane or floor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/25 11:06
S60	2	S59 and mat with fold\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/25 11:03
S61	5	S59 and (robot or camera) with (calibrat\$3 or diagnos\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/25 11:07
S62	9064	pad same (robot or camera)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/25 11:06
S63	721	S62 and robot with (surface or ground or area or plane or floor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/25 11:53
S64	44	S63 and (robot or camera) with (calibrat\$3 or diagnos\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/25 11:54
S65	0	("2004/0249504").URPN.	USPAT	OR	OFF	2005/11/25 11:52
S66	0	S64 and shaded with pattern	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/25 11:54
S67	1180	robot with (surface or ground or area or plane or floor) same camera	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/25 11:57

## EAST Search History

S68	195	S67 and (robot or camera) with (calibrat\$3 or diagnos\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/25 11:58
S69	1	S68 and shaded with pattern	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/25 11:55
S70	5	S68 and shaded	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/25 11:58
S71	19197	robot with (surface or ground or area or plane or floor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/25 11:57
S72	758	S71 and (robot or camera) with (calibrat\$3 or diagnos\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/25 11:58
S73	22	S72 and shaded	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/25 14:34
S74	2	"6841963".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/24 14:15
S75	2	("6841963").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/19 10:50
S76	7185	(surface or platform or support or plane or plate or stage or mat) with (flat or level or horizontal\$3 or diagnostic) same robot\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/24 14:09

## EAST Search History

S77	248	S76 and robot\$3 with (mov\$3 or movement or travel\$4 or motion or mobile) and camera same distance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 11:02
S78	2327	(surface or platform or support or plane or plate or stage or mat or ground) with (flat or level or horizontal\$3 or diagnostic or calibrat\$3 or test\$3) same (image or map or graph\$4 or data) with (camera or CCD) same distance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 11:42
S79	20	S78 and distance same (flatness or smoothness or uniformity or evenness or flat or uniform) with (face or surface or platform or plane or plate or stage or mat or support or ground) with (performance or calibrat\$3 or correct\$3 or error or verify\$3 or compar\$3 or check\$3 or difference) near4 (camera or CCD)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 11:42
S80	4500	(surface or platform or support or plane or plate or stage or mat or ground) with (flat or level or horizontal\$3 or diagnostic or calibrat\$3 or test\$3) same (image or map or graph\$4 or data) with (sens\$3 or detector or camera or CCD) same distance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 11:43
S81	250	S80 and distance same (flatness or smoothness or uniformity or evenness or flat or uniform) with (face or surface or platform or plane or plate or stage or mat or support or ground) same (performance or calibrat\$3 or correct\$3 or error or verify\$3 or compar\$3 or check\$3 or difference) with (sens\$3 or detector or camera or CCD)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 11:45
S82	71	S80 and distance same (flatness or smoothness or uniformity or evenness or flat or uniform) with (face or surface or platform or plane or plate or stage or mat or support or ground) with (performance or calibrat\$3 or correct\$3 or error or verify\$3 or compar\$3 or check\$3 or difference) with (sens\$3 or detector or camera or CCD)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 14:28
S83	5	"3002318".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 16:14
S84	4	"3730570".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 16:14

## EAST Search History

S85	2101	(flatness or smoothness or uniformity or evenness or flat or uniform) with (face or surface or platform or plane or plate or stage or mat or ground) with (performance or calibrat\$3 or correct\$3 or error or verify\$3 or compar\$3 or check\$3 or difference) with (sens\$3 or detector or camera or CCD)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 14:29
S86	652	(flatness or smoothness or uniformity or evenness or flat or uniform) near4 (face or surface or platform or plane or plate or stage or mat or ground) with (performance or calibrat\$3 or correct\$3 or error or verify\$3 or compar\$3 or check\$3 or difference) near5 (sens\$3 or detector or camera or CCD)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 14:30
S87	1026	(flatness or smoothness or uniformity or evenness or flat or uniform) with distance near4 (image or map)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 15:10
S88	5	S86 and S87	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 14:33
S89	18	Camera near4 calibration same flat near5 surface and distance with camera	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 15:39
S90	108	(detect\$3 or calculat\$3 or determin\$3 or measur\$5 or obtain\$3 or comput\$3) near4 (flatness or smoothness or uniformity or evenness or flat or uniform) with distance near4 (image or map)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 15:28
S91	2	("4715709"   "4854708").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/20 15:22
S92	5	("5583639").URPN.	USPAT	OR	OFF	2006/04/20 15:26
S93	45	(detect\$3 or calculat\$3 or determin\$3 or measur\$5 or obtain\$3 or comput\$3) near4 (flatness or smoothness or uniformity or evenness or flat or uniform or roughness) with distance near4 (image or map) with (camera or sens\$3 or detect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 15:29
S94	76	Camera near4 (calibration or verify\$3 or validat\$3) with (flat or flatness or uniformity or roughness or evenness or smoothness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 16:50

## EAST Search History

S95	688	(Camera with (calibration or verify\$3 or validat\$3)).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/21 09:41
S96	17	S94 and S95	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 15:43
S97	105	Camera near4 (calibration or verify\$3 or validat\$3 or correct\$3) with (flatness or uniformity or roughness or evenness or smoothness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 16:53
S98	105	Camera near4 (calibration or verify\$3 or validat\$3 or correct\$3) with (flatness or uniformity or roughness or evenness or smoothness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 17:02
S99	26	CCD near4 (calibration or verify\$3 or validat\$3 or correct\$3) with (flatness or uniformity or roughness or evenness or smoothness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 17:07
S100	11	(CCD or camera) near4 (calibrat\$3 or verify\$3 or validat\$3) same (flatness or roughness or evenness or smoothness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/21 09:22
S101	187	(CCD or camera or vedio) near4 (calibrat\$3 or verify\$3 or validat\$3 or compar\$3 or correct\$3) with (flatness or roughness or evenness or smoothness or flat)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/21 09:23
S102	18	(CCD or camera or vedio) near4 (calibrat\$3 or verify\$3 or validat\$3 or compar\$3 or correct\$3) with (flatness or roughness or evenness or smoothness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/21 09:26
S103	50	(CCD or camera or vedio) with (calibrat\$3 or verify\$3 or validat\$3 or compar\$3 or correct\$3) with (flatness or roughness or evenness or smoothness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/21 09:32

## EAST Search History

S10 4	20	(CCD or camera) near5 (calibrat\$3 or verify\$3 or validat\$3 or compar\$3 or correct\$3) same (flatness or roughness or evenness or smoothness) with (surface or platform or plane or plate or stager or ground)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 14:31
S10 5	50	(CCD or camera) near5 (calibrat\$3 or verify\$3 or validat\$3 or compar\$3 or correct\$3) same (flatness or roughness or evenness or smoothness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/21 09:56
S10 6	710	((Camera or CCD) with (calibration or verify\$3 or validat\$3).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/21 09:41
S10 7	0	S106 and (flatness or roughness or evenness or smoothness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/21 09:41
S10 8	235	S106 and (surface or platform or plane or plate or stager or ground)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/21 09:42
S10 9	6	(CCD or camera) with (calibrat\$3 or verify\$3 or validat\$3 or compar\$3 or performance) same (flatness or roughness or evenness or smoothness) and texture	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/21 09:59
S11 0	206	(CCD or camera) with (calibrat\$3 or verify\$3 or validat\$3 or compar\$3 or performance or verif\$7) same (flatness or roughness or evenness or smoothness or texture)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/21 09:59
S11 1	63154	(surface or platform or support or plane or plate or stage or base or ground or mat or floor) same (robot or robot\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/27 22:54
S11 2	1168	S111 and robot with camera	USPAT	OR	ON	2006/04/21 11:16
S11 3	14	S112 and (robot or camera) same (folding or folded)	USPAT	OR	ON	2006/04/21 11:17
S11 4	1447	S111 and robot\$2 with (CCD or camera)	USPAT	OR	ON	2006/04/21 11:16

## EAST Search History

S11 5	6	S114 and (camera) with (folding or folded or unfold\$3)	USPAT	OR	ON	2006/04/21 11:18
S11 6	2	"5311286".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/24 14:02
S11 8	2	"20030210329"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/24 14:03
S11 9	2	"5384431".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/24 14:04
S12 0	85	356/605.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/24 14:05
S12 1	2	"20030210329"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/24 14:05
S12 2	358	348/159.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/27 22:52
S12 3	681	318/568.12.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/24 14:07
S12 4	7193	(surface or platform or support or plane or plate or stage or mat) with (flat or level or horizontal\$3 or diagnostic) same robot\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/24 14:10

## EAST Search History

S12 5	919	702/150.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 14:28
S12 6	3	S125 and S124	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/24 14:10
S12 7	0	S120 and S124	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/24 14:10
S12 8	1	S122 and S124	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/24 14:11
S12 9	94	S123 and S124	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/24 14:11
S13 0	2	"6850024".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/24 14:15
S13 1	93	("20040233290" "4893183" "5703677" "5820545" "4402053" "4488172" "4891630" "5005147" "5182641" "5253302" "5446798" "5461478" "5475584" "5517580" "5559695" "5611000" "5684531" "5819016" "5929980" "5978143" "6028954" "6215898" "6215898" "6384859" "6456737" "6471642" "6614595" "6648816" "6853880" "20020049367" "20020114071" "20030055532" "20050159842" "20060012673" "20060013473" "20060050386" "20060088203" "20060103723" "6101455" "4956790" "5331413" "6163946" "6926709" "20040015053" "20050046569" "20050194973" "20050234566" "20050246065" "4819255" "5993001" ).pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/16 14:20

## EAST Search History

S13 2	1543	382/154.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/16 14:20
S13 3	355	600/117.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/16 14:20
S13 4	490	700/259.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/27 22:51
S13 5	198	600/173.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/16 14:21
S13 6	1451	700/245.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/27 22:50
S13 7	19841	(surface or platform or support or plane or plate or stage) with (flat or level or horizontal\$3) same camera	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/16 14:24
S13 8	156	S132 and S137	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/16 14:26
S13 9	6	S133 and S137	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/16 14:25
S14 0	28	S134 and S137	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/16 14:25

## EAST Search History

S14 1	4	S135 and S137	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/16 14:25
S14 2	29	S136 and S137	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/16 14:25
S14 3	2755	stereo near4 camera	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/16 14:25
S14 4	165	S132 and S143	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/16 14:26
S14 5	2	S133 and S143	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/16 14:26
S14 6	10	S134 and S143	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/16 14:26
S14 7	2	S135 and S143	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/16 14:26
S14 8	21	S136 and S143	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/16 14:26
S14 9	260	S137 and S143	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/16 14:27

## EAST Search History

S15 0	2091	robot same (sens\$3 or detect\$3 or measur\$5 or determin\$3 or calculat\$3) near5 (position or location or coordinate or place) same (display\$3 or indicat\$3 or exhibit\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/09 15:24
S15 1	673	S150 and robot with (ground or surface or floor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/09 15:26
S15 2	214	S151 and camera with robot	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/09 15:27
S15 4	11	(20010020200 20010025118 4202037 5471560 5511147 5652849 5675229 5984880 6088020 6108031 6113395).pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/09 15:30
S15 5	1	"6535793".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/09 15:31
S15 6	37	"6535793".URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/09 15:31
S15 7	1	S151 and S156	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/09 15:31
S15 8	1095	702/150.ccis.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/27 22:49
S15 9	1094	(324/758).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/27 22:50
S16 0	652	(318/580).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/27 22:50
S16 1	2097	(700/245,259).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/17 14:30

## EAST Search History

S16 2	131	(348/139).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/17 14:30
S16 3	1681	(704/275).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/27 22:53
S16 4	1043	(S158 or S159 or S160 or S161 or S162 or S163) and (CCD or camera or video or robot\$3) near5 (calibrat\$3 or verify\$3 or validat\$3 or compar\$3 or correct\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 14:32
S16 5	16	S164 and (surface or platform or support or plane or plate or stage) with (flat or level or horizontal\$3) with camera with (dispos\$3 or position\$3 or locat\$3 or provid\$3 or mount\$3 or install\$3 or plac\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/17 15:12
S16 6	2	"20030210329"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/18 20:46
S16 7	2	"5311286".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/18 20:47
S16 8	2	"6535793".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/18 20:48
S16 9	2	"6841963".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/18 20:49
S17 0	2	"5384431".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/18 20:49

## EAST Search History

S17 1	2	"6850024".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/18 20:49
S17 2	1152	702/150.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/27 22:49
S17 3	1112	(324/758).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/27 22:50
S17 4	653	(318/580).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/27 22:50
S17 5	1900	700/245.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/27 22:50
S17 6	589	700/259.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/27 22:51
S17 7	433	348/159.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/27 22:52
S17 8	1729	(704/275).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/27 22:53
S17 9	1855	(S172 or S173 or S174 or S175 or S176 or S177 or S178) and (surface or platform or support or plane or plate or stage or base or ground or mat or floor) same (robot or robot\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/27 22:54

## EAST Search History

S18 0	21	S179 and (camera or CCD) same (line or direction or orientation or target or reference) same (chang\$3 or alter\$3 adjust\$4 or vary\$3 or increas\$3 or decreas\$3) near4 (size or region or area or width or length or diameter or radius or visual)	USPAT	OR	ON	2007/12/27 23:01
S18 1	199	attitude with (robot\$3 or camera or ccd) same (search\$3 or determin\$3 or obtain\$3 or measur\$5 or scan\$3 or seek\$3) with (direction or angle or visual\$3 or line or object or target or orientation or position or location) same (texture or pattern or mat or surface or grain or mark or spot) with (region or area or location or position or section or zone)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/28 10:43
S18 2	12	("5684531").URPN.	USPAT	OR	OFF	2007/12/28 10:44
S18 3	0	S182 and attitude with (robot\$3 or camera or ccd) same (search\$3 or determin\$3 or obtain\$3 or measur\$5 or scan\$3 or seek\$3) with (direction or angle or visual\$3 or line or object or target or orientation or position or location) same (texture or pattern or mat or surface or grain or mark or spot) with (region or area or location or position or section or zone)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/28 10:49
S18 4	1152	702/150.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/28 10:49
S18 5	1112	(324/758).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/28 10:49
S18 6	653	(318/580).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/28 10:49
S18 7	1900	700/245.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/28 10:49

## EAST Search History

S18 8	589	700/259.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/28 10:49
S18 9	433	348/159.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/28 10:49
S19 0	1729	(704/275).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/28 10:49
S19 1	1855	(S184 or S185 or S186 or S187 or S188 or S189 or S190) and (surface or platform or support or plane or plate or stage or base or ground or mat or floor) same (robot or robot\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/28 10:49
S19 2	8	S191 and attitude with (robot\$3 or camera or ccd) same (search\$3 or determin\$3 or obtain\$3 or measur\$5 or scan\$3 or seek\$3) with (direction or angle or visual\$3 or line or object or target or orientation or position or location) same (texture or pattern or mat or surface or grain or mark or spot) with (region or area or location or position or section or zone)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/31 15:17
S19 3	2	(attitude with (robot\$3 or camera or ccd) same (search\$3 or determin\$3 or obtain\$3 or measur\$5 or scan\$3 or seek\$3) with (direction or angle or visual\$3 or line or object or target or orientation or position or location) same (texture or pattern or mat or surface or grain or mark or spot) with (region or area or location or position or section or zone)).clm.	US-PGPUB	OR	ON	2007/12/31 15:18
S19 4	4	(attitude with (robot\$3 or camera or ccd) same (search\$3 or determin\$3 or obtain\$3 or measur\$5 or scan\$3 or seek\$3) with (direction or angle or visual\$3 or line or object or target or orientation or position or location) same (texture or pattern or mat or surface or grain or mark or spot)).clm.	US-PGPUB	OR	ON	2007/12/31 15:30